

Abstract:

The invention relates to a device which is used for the heat-sealing of a thermoplastic synthetic film to a thermoplastic synthetic container. The inventive device has at least one thermal electrode (11) which is made from a material with high thermal conductivity. The electrode is equipped with a metal section (30) having electrical connection terminals (31) at its ends. A heat flux sensor (32) comprising two electrical connections (33) is also provided, and the lower face is fixed mechanically to the upper part of the above-mentioned section (30). In addition, the upper face of the heat flux sensor (32) is fixed to the lower face of a thermal capacitor (34) which is made from a material with high thermal diffusivity and conductivity. Furthermore, a thermocouple (35) is mounted in a cavity in the metal section (30).